

Sheet

RECEIVED

DEC 1 5 2003

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
Approved for use through 07/31/2006. OMB 0651-0031
Approved for use through 07/31/2006. OMB 0651-0031
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	09/423,511			
Filing Date	10-11-99			
First Named Inventor				
Art Unit				
Examiner Name				
Attorney Docket Number				

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
me	1	^{US-} 4,825,050	04-25-89	John B. Griffith et a/.	
me	2	^{US-} 4,926,480	05-15-90	David Chaum	
ne	3	^{US-} 5,227,612	07-13-93	Jean-Yves Le Roux	
ANG	4	^{US-} 5,625,695	04-29-97	David M'Raihi et al.	
me	5	^{US-} 5,694,471	12-02-97	James F. Chen et al.	
me	6	^{US-} 5,793,027	08-11-98	In-Seong Baik	
me	7	^{US-} 5,910,989	06-08-99	David Naccache	
pul	8	^{US-} 5,942,738	08-24-99	Gerard Cesaire et al	
		US-			
		US-			
4 HIErro	ΛΛ/	US-			
-	1	[©] ŪS ^{©4} 301249 09423511			
•	100.0) US _i			
		US-			
	1	US-			

		FORE	IGN PATENT DOC	JMENTS	-	
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
me	9	JP-03026126	02-04-91	Toshiba Corp.		V
mi	10	JP-09062596	03-07-97	Hitachi Ltd		V
m	11	JP-09116960	05-02-97	Fujitzu Ltd.		Г
me	12	WO 91/16691	10-31-91	Johnig Ltd.		
me	13	WO 93/08545	04-29-93	Johnig Ltd.		
me	14	WO 96/25814	08-22-96	Chaum, David		Ī

			
Examiner Signature	marchine	Date Considered 3	3-15-04

*EXAMINER: Initial if reference considered, whether or fot citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. The reference considered, whether or fot citation is in conformance with MPEP 609. Draw line through citation in conformance and not considered. Include copy of this form with next communication to applicant, Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. The reference considered, whether or fot citation is in conformance with MPEP 609. Draw line through citation in conformance and not considered. Include copy of this form with next communication to applicant, Applicant's unique citation designation number (optional).

See Kinds Codes of USPTO Patent Documents, by the two-letter code (WIPO Standard ST.3), For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attracted. Translation is attached

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

21/07/2 51 70:10



RECEIVED

DEC 1 5 2003

GROUP 3600

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	09/423,511			
Filing Date	1999-10-11			
First Named Inventor				
Art Unit				
Examiner Name				
Attorney Docket Number				

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	+	US-			1
	1	US-			
		US-			
	1	US-			
	†	US-			
	<u> </u>	US-			
	1	US-	1		
	†	US-			
		US-			
		US-			
	1	US-			
	 	US-			
		US-			
	 	US-	1	•	
	1	US-			
	+	US-			

		FOREI	GN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
me	15	WO 97/05729	02-13-97	Telecom Italia Mobile S.	P.A.	
me	16	WO 96/24997	08-15-96	Cryptomathic A/S		
me	17	WO 96/33567	10-24-96	GEMPLUS		
me	18	WO 98/03943	01-29-98	Europay International	S. A.	
me	19	WO 98/25220	06-11-98	Institute of Systems S		
me	20	EP 0807911	11-19-97	RSA Data Security IN	C-	

Examiner		Date
Signature	marken	Considered $3 - 11 - 04$

*EXAMINER: Initial if reference considered, whether or not diation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.





DEC 1 5 2003

GROUP 3600.

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 3

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	09/423,511			
Filing Date	10-11-99			
First Named Inventor				
Art Unit				
Examiner Name				
Attorney Docket Number	†			

	U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
-	\ —	Number-Kind Code ^{2 (# known)}			r igares repeat	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
	 	US-				
		US-				
	ļ —	US-				
-		US-	-			
	1	US-				
	1	US-				
		US-				
		US-				
		US-				
		US-				
	1	US-				

	Cite No.1	Cite Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	(F)	Or Relevant Figures Appear	T⁵
me	21	EP 0214609	03-18-87	Hitachi Ltd.		
me	22	SE 506506	10-12-96	AU-System		
me	23	GB 2291237	01-17-96	Philip Martin Ashley		

Examiner		Date	
Signature			l 'S
Signature	marche	Considered	3-1F-2U
*EVALUED			0 73 0 7

*EXAMINER: Initial if reference considered, whether or net citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.





DEC 1 5 2003

GROUP 3600.

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known		
Oubsulu	10.10.10.11.1440.110			Application Number	09/423,511	
INF	ORMATION	DIS	CLOSURE	Filing Date	10-11-99	
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor		
(Use as many sheets as necessary)				Art Unit		
				Examiner Name		
Sheet	1	of	2	Attorney Docket Number		

		<u> </u>		
		NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
me	24	K. Rihaczek, publ. 1987 by "Computer Network and ISDN Systems" Vol. 13, No. 3, published by TeleTrust Sverige. (www.teletrust.se)		
me	25	"Projekt Strategisk Samverkan" publ. 1994 by Telia Sonera		
me	26	Appleby C: "Making Security A Reality For All", Information WEEK, No. 508, p. 38-40, 2 Jan. 1995; ISSN: 8750-6874		
me	27	BOLY J-P et al.: "The ESPRIT Project CAFE"; ESORICS 94; 1-14; LNCS 875, Springer-Verlag, Berlin 1994		
me	28	Krayem-Nevoux et al.: "Payphone service for third generation mobile systems" Proceeding of Globecom '93; Vol. 3; p. 1708-1712, 1993; ISBN: 0780309170		
me	29	Lemme H: "The microcomputer in the wallet"; Elektronik, Vol. 42; No. 20, 5 Oct. 1993, ISSN: 0013-5658		
me	30	Part IV - Security Aspects: 1 Static Data Authentication; 30 June 1996		
me	31	Haller & Atkinson: "On Internet Authentication" RFC 1704, Network Working Group, Oct. 1994		
me	32	Simon Corell: "Ca-policies in practical use"; Teletrust, 23 May 1996		
me	33	NIST Special Publication 800-7, Security in Open Systems; publ 1994		

Examiner		Date	3 . 6
Signature	manh	Considered	3-15-0X

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



'RECEIVED'

DEU 1 5 2003

GROUP 3600

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

		uction A	ct of 1995, no persons ar	re required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known		
Substitute for form 1449/PTO				Application Number	09/423,511	
INF	ORMATION	DIS	CLOSURE	Filing Date	10-11-99	
STATEMENT BY APPLICANT (Use as many sheets as necessary)				First Named Inventor		
				Art Unit		
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number		

		NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
me	34	PROJECT MobiDIC, System Analysis, version 1-2, publ 17 Jan 1997	
m	35	"SmartCard Guide. En värld av personifierade tjänster och service" by Magnus Andersson and Petter Ljunggren, May 1995	
me	36	"Juridiskt accepterand digital signatur utsikter och möjligheter, en studie åt PostNet" by Mats Larsson, autumn 1994	
me	37	"Utgivning och Hantering av Nyckelbärande Kort" report by TeleTrust Sverige, distributed by Spri, Gunnar Klein, GKAB and Håkan Persson, AU-System, 25 May 1994	
he	38	"Informationssäkerhet och digital signering", offprint of swedish TELE 4/91	
me	39	"CA-policies in practical use", TeleTrusT Association, May 1996	
me	40	Bowry, Kavita "Smart Cards Get Clever Applications", Telecommunications, Nov. 1993 pp. 47-49	

Examiner	1	Date	
Signature	march	Considered	3-15-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.